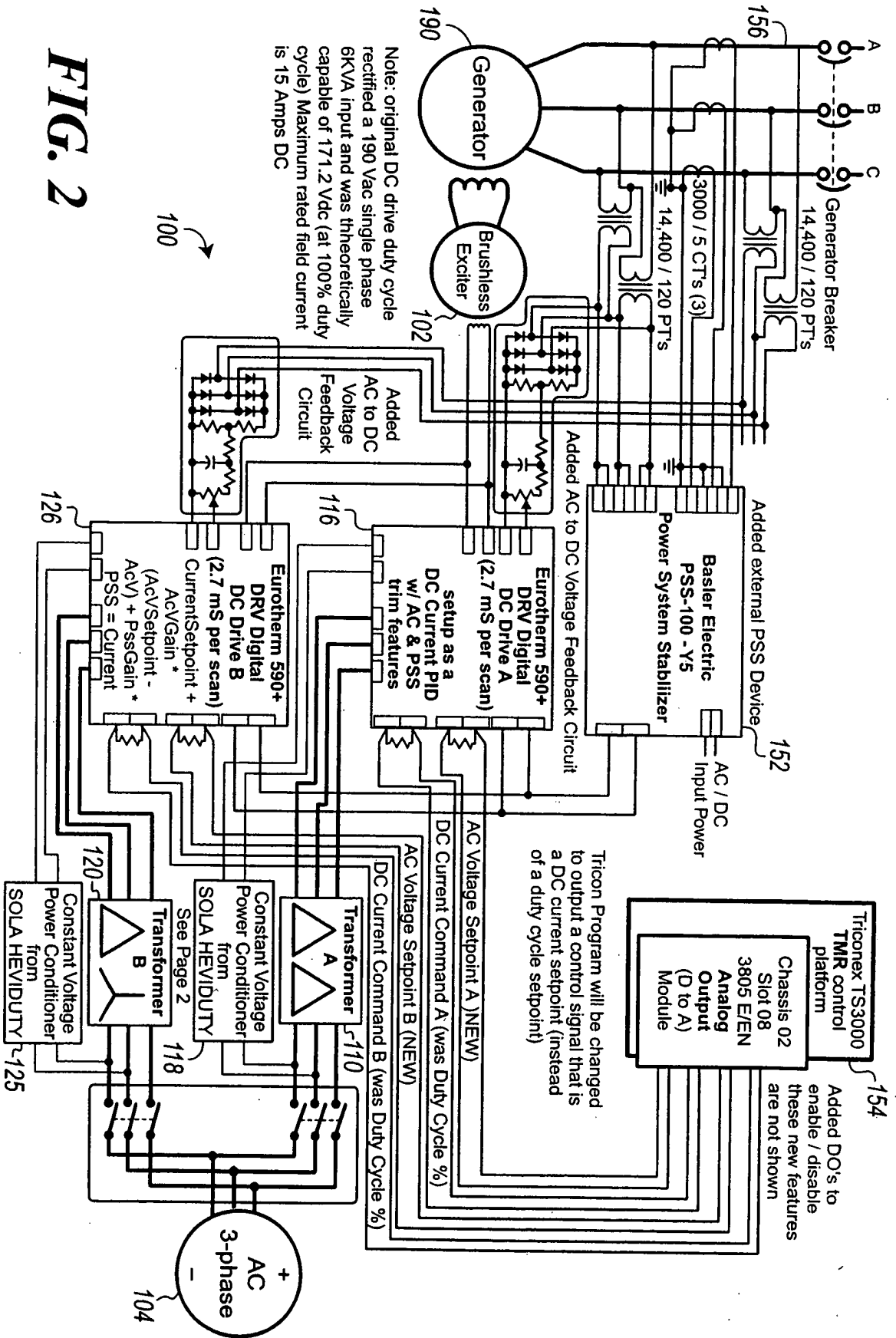


FIG. 1



Note: original DC drive duty cycle rectified a 190 Vac single phase 6KVA input and was theoretically capable of 171.2 Vdc (at 100% duty cycle) Maximum rated field current is 15 Amps DC

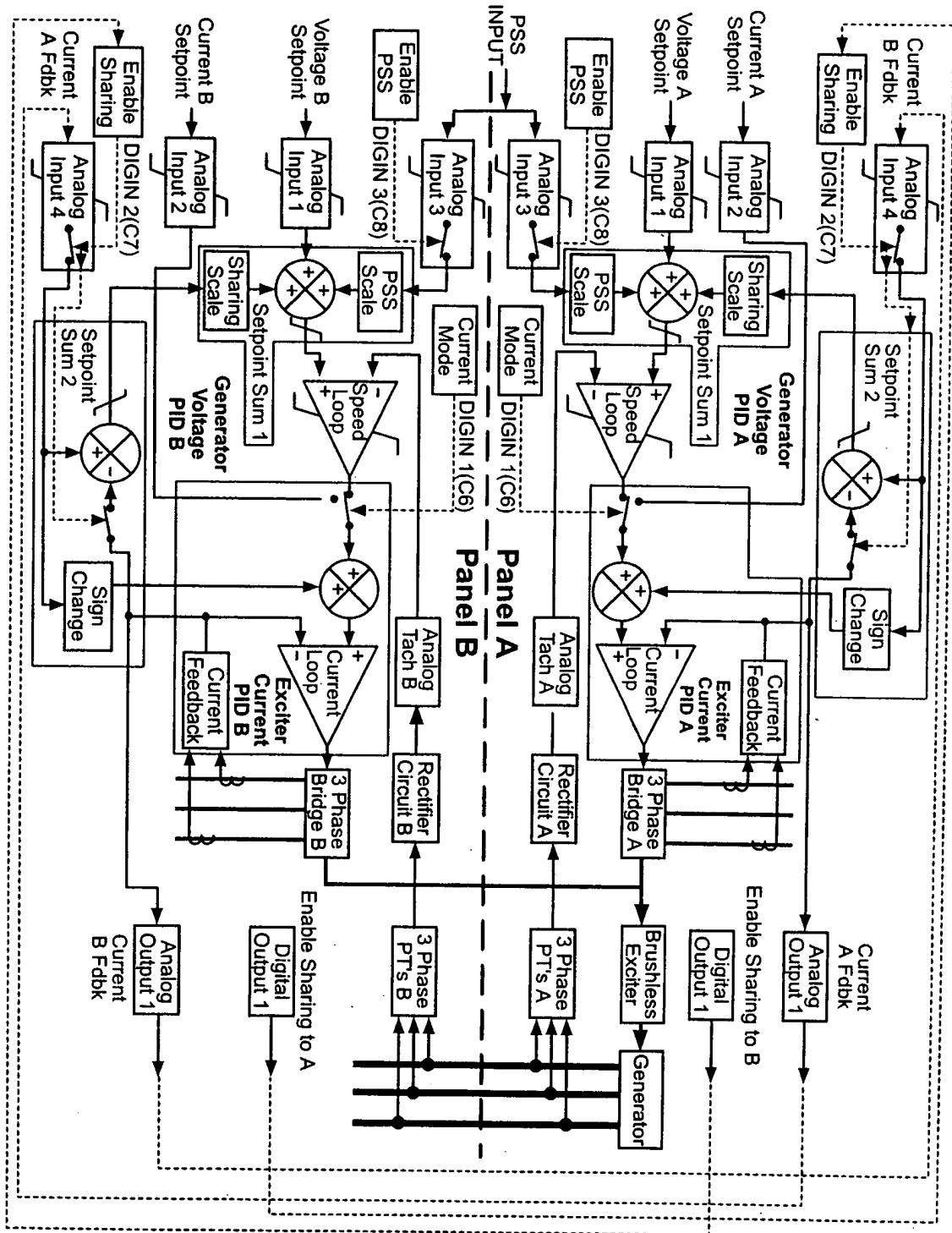


FIG. 3

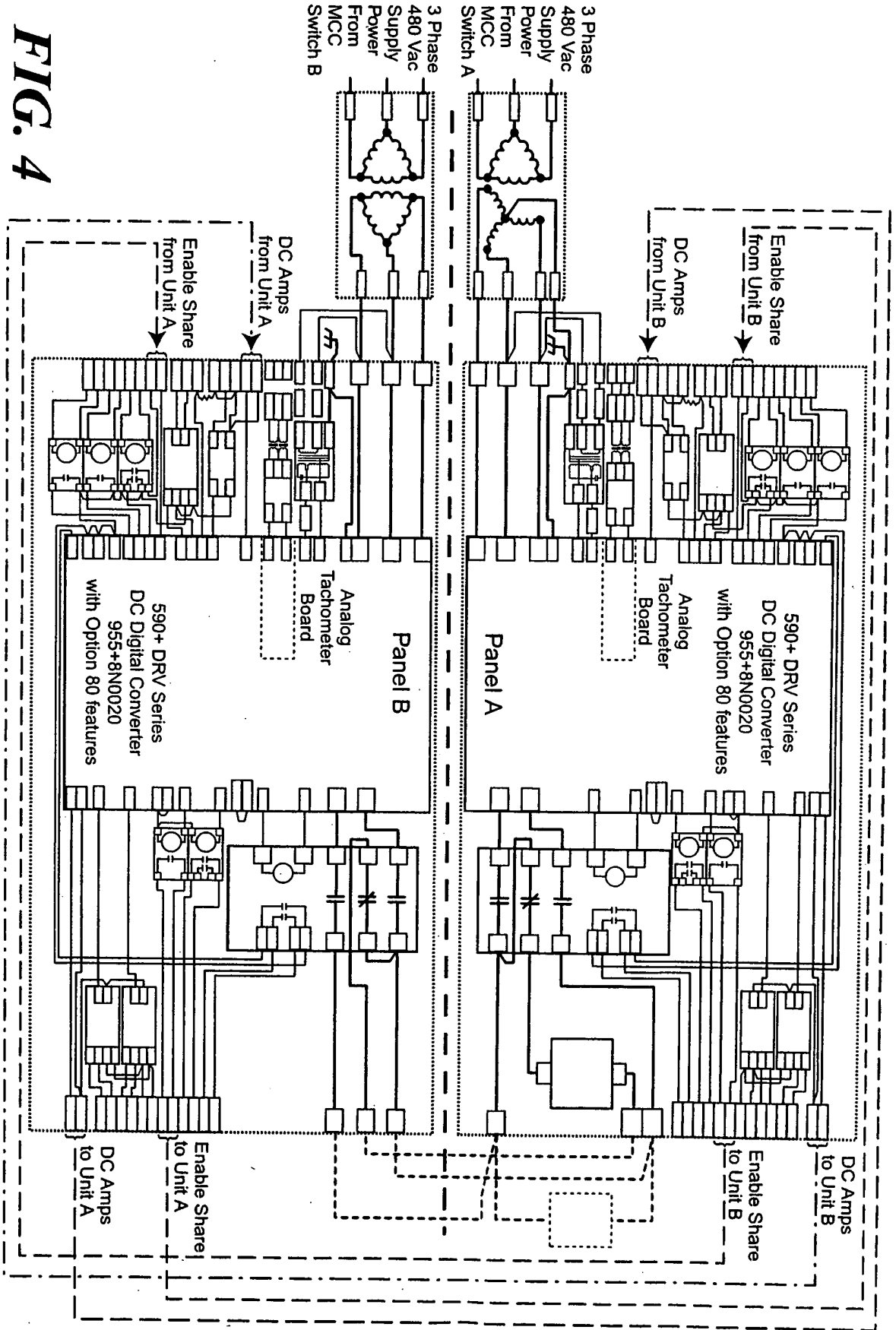
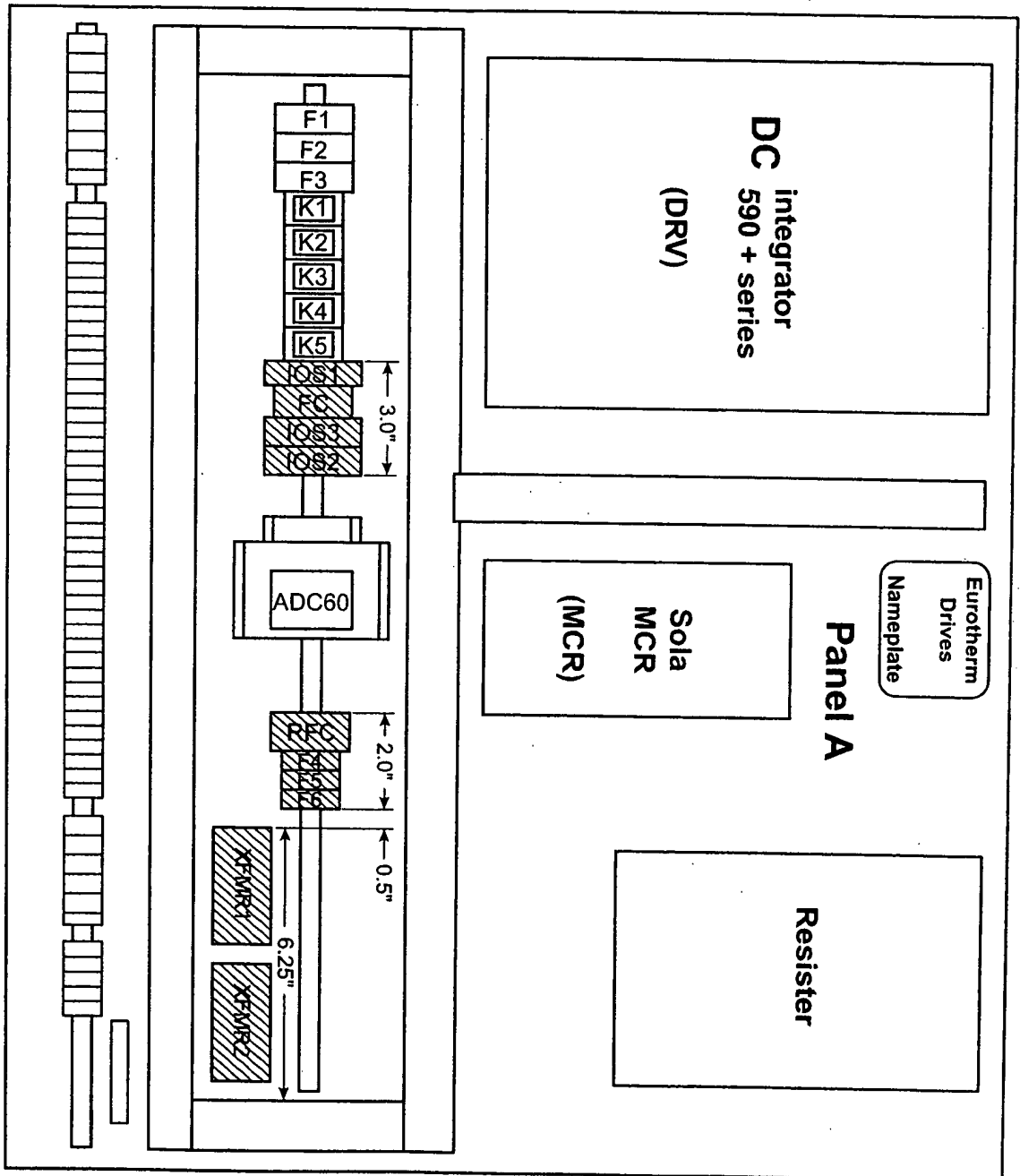


FIG. 4



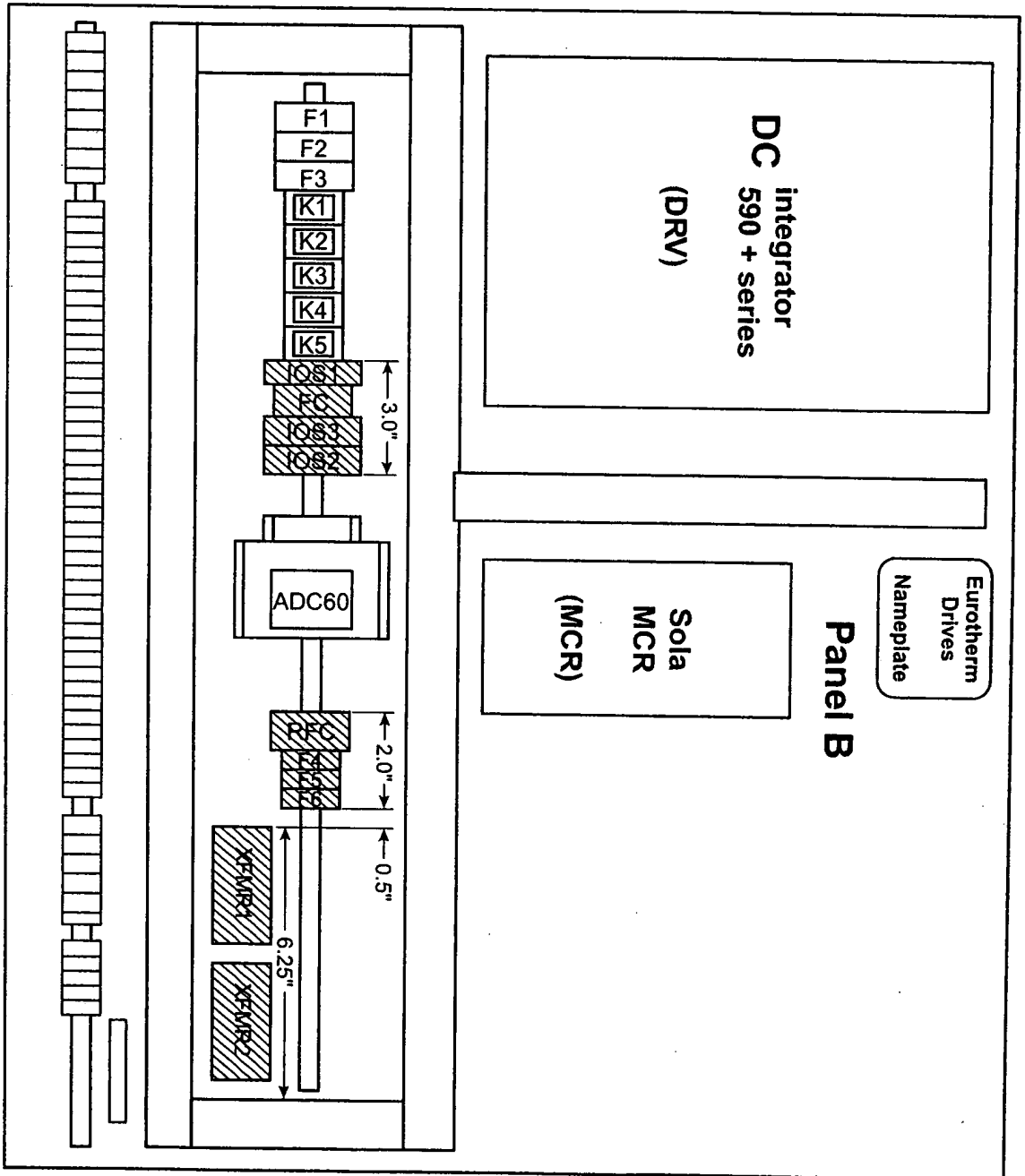


FIG. 6

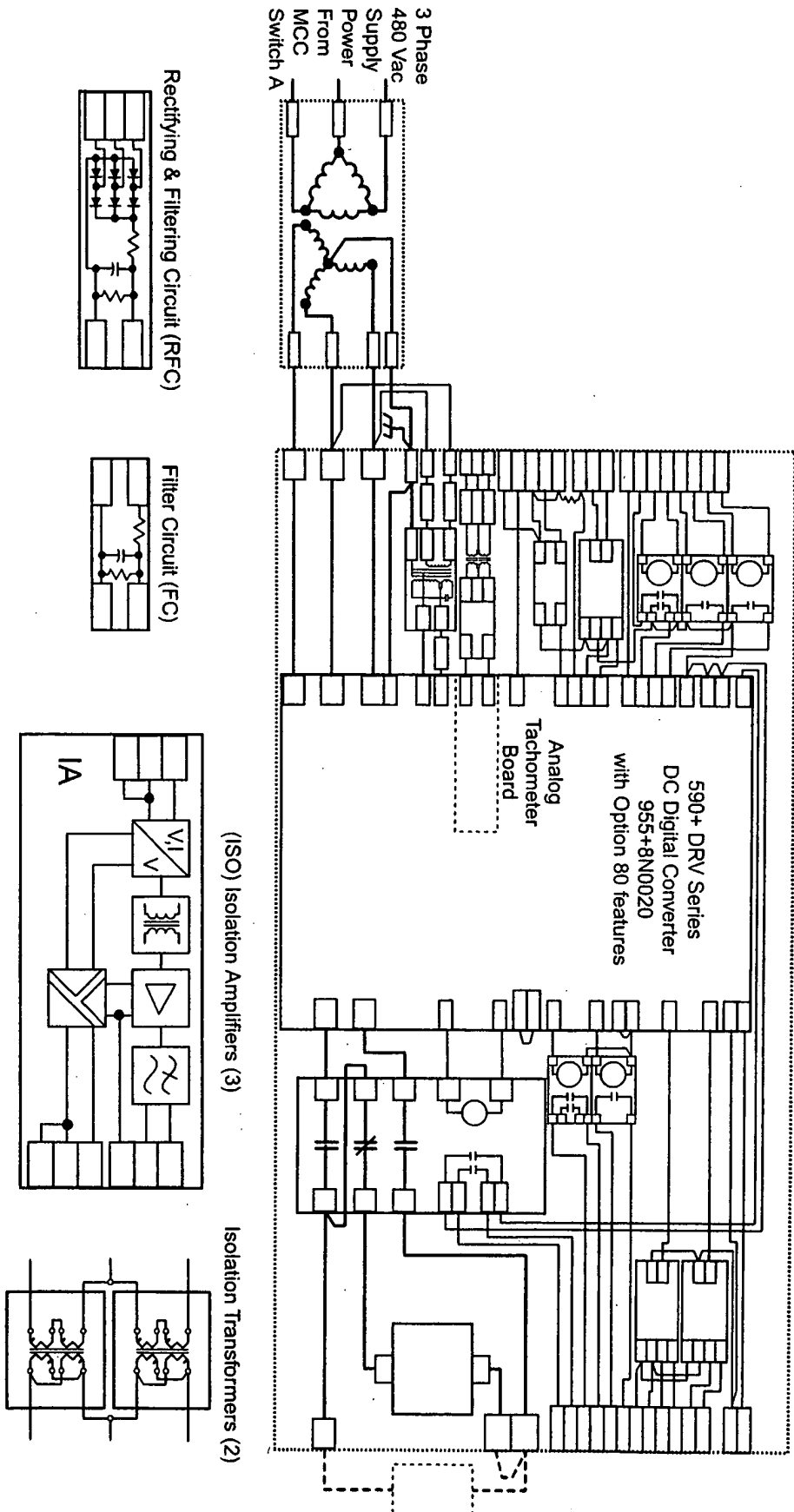
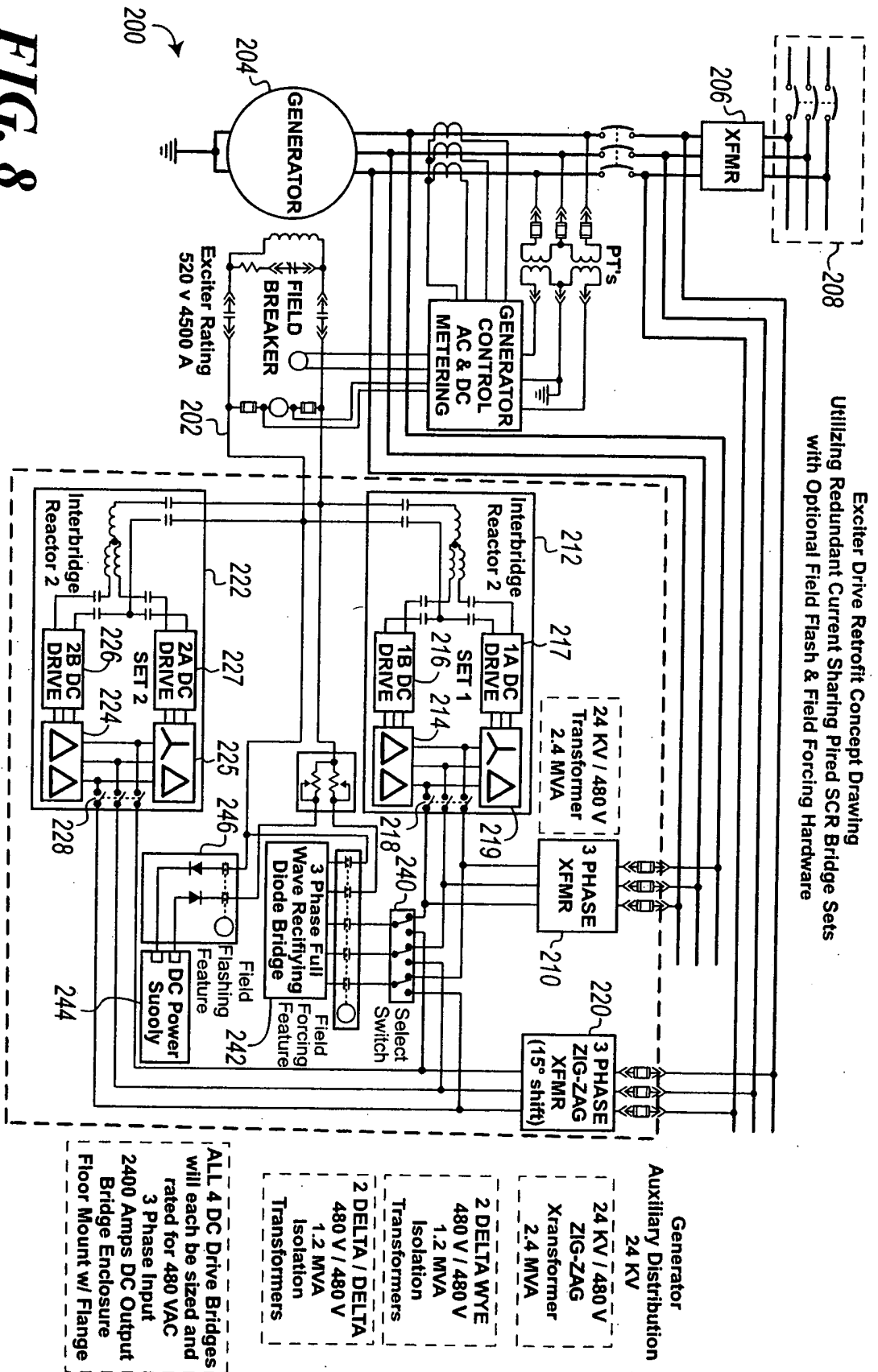


FIG. 7



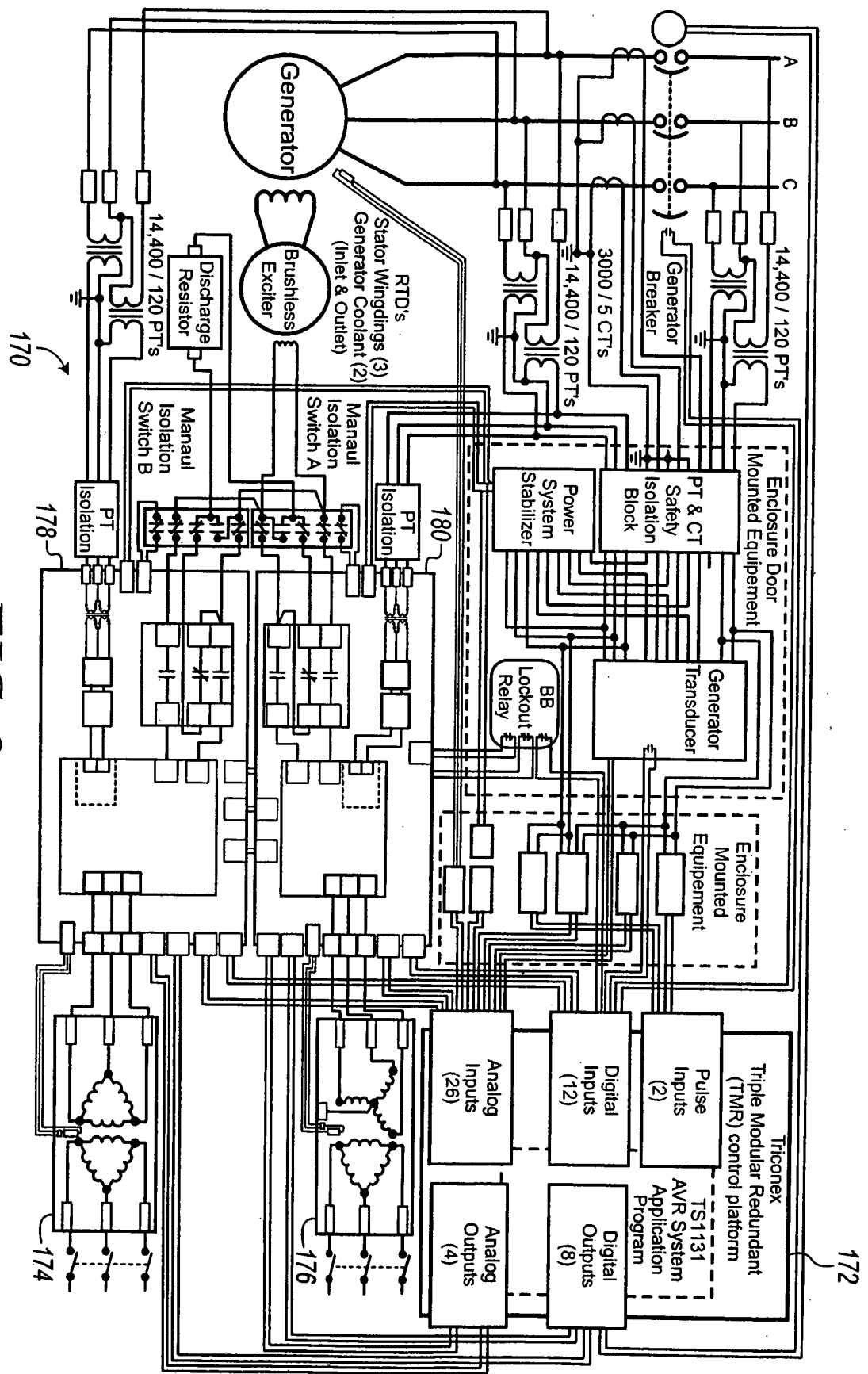


FIG. 9